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Atty. Docket No.

## INFORMATION DISCLOSURE **CITATION**

3127-14 Applicant NAGULESWARAN et al.

| (Use s                              | everal sheets if necessary) | Filing Date TC/A.U.                                                                                                                                                                                                   |              |                      |          |               |          |                   |                |  |  |
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| •                                   |                             | Octobe                                                                                                                                                                                                                | r 7, 2004    |                      | TE       | 3A            |          |                   |                |  |  |
|                                     |                             | U.S                                                                                                                                                                                                                   | S. PATENT    | DOCUMENTS            |          |               |          | <del></del>       |                |  |  |
| XAMINER<br>INITIAL                  | DOCUMENT NUMBER             | DATE                                                                                                                                                                                                                  |              | NAME                 |          | CLASS         | SUBCLASS | FILING<br>IF APPR | DATE<br>OPRIAT |  |  |
| 7U.C.7                              | 2002-0037061                | 03/2002                                                                                                                                                                                                               |              | LEARNED              |          |               |          |                   |                |  |  |
| /U.C./                              | 6,351,216                   | 02/2002                                                                                                                                                                                                               | FR           | EDERICK et al.       |          |               |          |                   |                |  |  |
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|                                     | OTHER DOCL                  | IMENTS (incl                                                                                                                                                                                                          | idina Auth   | or, Title, Date, Pe  | rtino    | nt nages e    | lc )     |                   | L              |  |  |
| // C /                              | VALENTI et al., "Iterati    |                                                                                                                                                                                                                       |              |                      |          |               |          | A Cellul          | <br>аг         |  |  |
| /U.C./                              | Uplink" IEEE Journal or     | n Selected Areas                                                                                                                                                                                                      | s in Commun  | ications, Vol. 19, N | lo. 8 (A | August 2001)  |          |                   |                |  |  |
| /U.C./                              |                             | BACCARELLI et al., "A Novel Adaptive Receiver with Enhanced Channel Tracking Capability for TDMA-Based Mobile Radio Communications," IEEE Journal on Selected Areas in Communications, Vol. 16, No. 9 (December 1998) |              |                      |          |               |          |                   |                |  |  |
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| Examiner /Un Cho/                   |                             | Date Consi                                                                                                                                                                                                            |              | Date Considere       | ed l     | 04/19/2007    |          |                   |                |  |  |

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

| Sheet                                         | 1              | of 1                                              |                    | OIFE                                       |                                       |                                                |                                              |              |                 |  |
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| INF                                           | ORM            | ATION DISCLOSURE                                  | ATTY. L            | DOCKET NO.                                 | SERIAL                                | NO.                                            |                                              |              |                 |  |
|                                               |                | CITATION                                          | 3127-              |                                            | 10/51                                 | 0,473                                          |                                              |              |                 |  |
|                                               |                |                                                   |                    | ULESWAR                                    | 9/                                    |                                                |                                              |              |                 |  |
|                                               | (Use           | several sheets if necessary)                      | FILING             | DATE                                       | GROUP                                 | ,                                              |                                              |              |                 |  |
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|                                               |                | · · · · · · · · · · · · · · · · · · ·             |                    | 7, 2001                                    |                                       |                                                |                                              |              |                 |  |
|                                               |                |                                                   | U                  | S. PATENT DOCUMENTS                        | i                                     |                                                |                                              |              |                 |  |
| EXAMIN INITIA                                 |                | DOCUMENT NUMBER DATE NAME                         |                    |                                            |                                       | CLASS                                          | SUBCLASS                                     |              | DATE<br>OPRIATE |  |
|                                               |                | 6,137,843                                         | 10/2000            | t al.                                      |                                       |                                                |                                              |              |                 |  |
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|                                               |                | DOCUMENT                                          | DATE               | COUNTRY                                    | · · · · · · · · · · · · · · · · · · · | CLASS                                          | SUBCLASS                                     | YES          | NO              |  |
|                                               |                | EP 1 179 934<br>GB 2 360 425                      | 02/2002<br>09/2001 | EP<br>GB                                   |                                       |                                                |                                              |              | <u> </u>        |  |
|                                               |                | GB 2 300 423                                      | 09/2001            |                                            |                                       |                                                |                                              |              |                 |  |
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|                                               |                | OTHER DOC!                                        | IMENITS (in        | scluding Author, Title, Date               | Portinent n                           | 2000                                           | <u>                                     </u> |              |                 |  |
| <del> </del>                                  | $\neg$         |                                                   |                    | ort, Appln. No. EP 03 72 7028              |                                       | ages, c.                                       |                                              | _            |                 |  |
|                                               |                | Valenti et al., "Combine                          | d Multiuser l      | Reception and Channel Decodi               | ng for TDMA                           | Cellular S                                     | Systems," Ve                                 | hicular      |                 |  |
| /U.C                                          | :./            | 18, 1998), pp. 1915-191                           | 9                  | 98, 48 <sup>th</sup> IEEE Ottawa, Ontario, |                                       | _                                              |                                              |              |                 |  |
|                                               | ,              | Wang et al., "Turbo Mu                            | Itiuser Detec      | tion," Signals, Systems & Com              | puters, 1998, C                       | Conference                                     | e Record of                                  | theThirty    | -Second         |  |
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|                                               |                | Bauch et al., "Iterative I                        |                    | and Decoding for the GSM - S               |                                       |                                                |                                              |              |                 |  |
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|                                               | <del>.  </del> | 1998), pp. 2262-2266  Douillard et al., "Iterativ | ve Correction      | of Intersymbol Interference:               | Turbo-Equaliza                        | tion," Eu                                      | ropean Trans                                 | actions o    | <br>on          |  |
| /U.C                                          | ./             |                                                   |                    | chnologies, AEI, Milano, Italy,            |                                       |                                                |                                              |              |                 |  |
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|                                               |                | communication to application.                     |                    |                                            |                                       |                                                |                                              |              |                 |  |